

## Model 304 Series

**Single Stage Chrome-Plated Brass  
Barstock Body/316L  
Stainless Steel Diaphragm**



### Typical Applications

- Control of span and calibration gases
- Control of non-corrosive laser gases
- Control of high purity flushing systems
- High purity system pressurization
- High purity inert gas purge

The 304 Series pressure controls are designed for use with non-corrosive high purity gases in line or point of use service.

The chrome-plated barstock body and 316L stainless steel diaphragm combine to minimize dead space and eliminate inboard diffusion of unwanted substances.

Concoa's unique Capsule® combines all the parts of a standard regulator seat into a single assembly protected by a 10 micron inlet filter providing long life and ease of maintenance.

#### Materials

Body: Chrome-plated brass barstock  
Bonnet: Chrome-plated zinc diecast  
Diaphragm: 316 L Stainless Steel  
Seat: PTFE PTFE (Kel-F optional)  
Filter: Sintered Bronze/10 micron size  
Internal Seals: PTFE PTFE

#### Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa) 5500 psig (20,700 kPa)
Temperature Range:	0 to 120°F (-18°C to 48°C)*
Gauges:	2" diameter chrome plated brass
Ports:	1/4" FNPT
Helium Leak Integrity:	1 x 10-8 scc/sec He
Cv (1000 & 2000)	0.1
Cv (3,4 & 5000)	0.2

Model No	Delivery Pressure Range.	Price
304-2051*	0-50 psig	
304-3051*	0-100 psig	

\*Specify CGA Fitting

## Model 324 Series

**Single Stage 316L Stainless Steel  
Barstock Body/316L  
Stainless Steel Diaphragm**



### Typical Applications

- Control of span and calibration gases
- Control of non-corrosive laser gases
- Control of high purity flushing systems
- High purity system pressurization
- High purity inert gas purge

The 324 Series pressure controls are designed for use with corrosive and non-corrosive high purity gases in line or point of use service.

The 316L stainless steel barstock body and 316L stainless steel diaphragm combines to minimize dead space and eliminate inboard diffusion of unwanted substances.

Concoa's unique Capsule® combines all the parts of a standard regulator seat into a single assembly protected by a 10 micron inlet filter providing long life and ease of maintenance.

#### Materials

Body: 316L Stainless steel barstock  
Bonnet: Chrome-plated zinc diecast  
Diaphragm: 316 L Stainless Steel  
Seat: PTFE PTFE (Kel-F optional)  
Filter: Sintered Bronze/10 micron size  
Internal Seals: PTFE PTFE

#### Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa) 5500 psig (20,700 kPa)
Temperature Range:	0 to 120°F (-18°C to 48°C)*
Gauges:	2" diameter chrome plated brass
Ports:	1/4" FNPT
Helium Leak Integrity:	1 x 10-8 scc/sec He
Cv	0.1
Needle Valve	0.2

Model No	Delivery Pressure Range.	Price
324-2051*	0-50 psig	
324-3051*	0-100 psig	

\*Specify CGA Fitting